

REMARKS

Reconsideration of this patent application is respectfully requested in view of the foregoing amendments, and the following remarks.

This Office Action states that this patent application is in condition for allowance except for the following formal matters:

a) Figures 1, 2a and 2b, of the replacement drawings filed 7-28-04 are objected to because in Figure 1, in the words "components", "ethane", "butane" and "pentane", at least one or more letters in each of these words are either partially or fully faded away. In figures 2a and 2b, in the boxes that refer to calculations being done, it appears that "p" is missing before the "n" in each of those boxes (see originally filed figures 2a and 2b).

Appropriate correction has now been provided due to the filing herewith of Replacement Drawings for FIGS. 1, 2a and 2b.

b) The Specification amendment for page 39, revising the paragraph in lines 3-9 is improper under 37 C.F.R. 1.121 because this amendment is missing all the various equations that are

IN THE DRAWINGS:

Please substitute the corrected replacement drawings for
FIGS. 1, 2a and 2b enclosed herewith for the previously filed
FIGS. 1, 2a and 2b.

found in the middle of page 39 of the Specification. Appropriate correction has now been provided based upon the enclosed revision to page 39.

c) Review of the image file wrapper for the application shows that there is no IDS statement for the PTO-1449 form (cites GB 2 080 947A and a German Office Action) that was filed 8-13-03 and was previously considered by the Examiner. Consequently, the Applicant is hereby submitting the appropriate Information Disclosure Statement for this PTO Form-1449.

d) Claims 87-108 were formally objected to under 37 C.F.R. 1.75(a) for failing to particularly point out and distinctly claim the subject matter which the applicant regards as the invention.

It appears that in claim 87, line 19, the word "and" is missing at the end of the line before the last "carrying out..." step of the claim. In response thereto, the word "and" has been added at this location to claim 87.

Claim 91, line 3, recites "are and taken" which it appears should be "are taken". In response thereto, claim 91 has been amended to recite "are taken".

Claim 94, lines 12-13 and 17, recite "the spectrum" however, the antecedent basis is "transmission spectrum". In response thereto, claim 94 has been amended to recite "transmission spectrum".

Claim 98, lines 9-10, recite "an electrical unit"; however the Office Action suggests: "an electronic unit". In response thereto, claim 98 was amended to recite "an electronic unit".

Claim 99, line 3, recites "the transmitted spectral regions". However, it appears that the actual antecedent basis is "transmitted specific spectral regions". In response thereto, claim 99 has been amended to recite "transmitted specific spectral regions".

Claim 101, line 7, recites "the radiation receiver". However, the antecedent basis is "at least one radiation receiver". This same type of recitation also occurs in claim 101, line 9, in claim 103, lines 1-2, in claim 104, lines 4,8 and

in claim 105, line 9. In response thereto, claims 101, 103, 104 and 105 have each been amended to recite "at least one radiation receiver".

Claim 106, line 5, recites "the first and second waveguide" which it appears should be "the first and second optical waveguides". In response thereto, claim 106 has been amended to recite "the first and second optical waveguides".

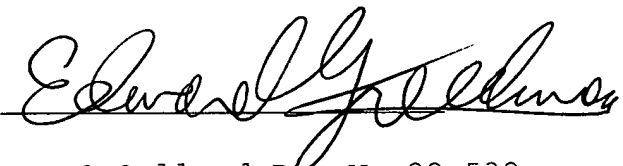
Claim 107, lines 3-4, recite "the alternating reverse of the measured section" which is alleged to be ambiguous with respect to what is meant by "the alternating reverse" and "the measured section". In response thereto, claim 107 has been amended to cancel the word "reverse" and to refer to the "measurement radiation".

Based upon all of these amendments to claim 87, 91, 94, 98, 99, 101, 103, 104, 105, 106 and 107, it is respectfully submitted that these formal objections to the claims have now been overcome. Withdrawal of these objections is respectfully requested.

For all these reasons, the drawings, the Specification, and all the claims are firmly believed to be in complete compliance with all of the requirements for the granting of a patent for the present invention. A prompt notification of allowability is respectfully requested.

Respectfully submitted,

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Enclosures: 1) Replacement drawings for FIGS. 1, 2a and 2b
2) PTO-Form 1449 and IDS and copy of 2 documents

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 31, 2005.



Maria Guastella